

## DEFINITIONS AND SPECIAL INSTRUCTIONS

**1. Scope of survey**

This survey covers firms engaged in the manufacture of farm tractors, farm machinery and equipment, farm irrigation equipment, turf equipment, and lawn and garden equipment.

**2. Figures to be reported**

Companies with more than one establishment manufacturing the products covered by this survey are requested to complete a separate report form for each location. If you have not received a separate form for each of your establishments, please call the contact listed on the report form or write to the U.S. Census Bureau for additional forms.

**a. Quantity and value of shipments**

The figures on quantity and value of shipments should include the physical shipments of all products sold, transferred to other establishments within your company, or shipped on consignment, whether for domestic or export sale. The value represents the net sales price, f.o.b. plant, to the customer or branch to which the products are shipped, net of discounts, allowances, freight charges, and returns. Shipments to your own branches should be assigned the same value as comparable sales to unaffiliated customers, i.e., the value includes an appropriate allocation of company overhead and profit. Products bought and resold without further manufacture should not be included in shipments.

**b. Units of measure**

*Quantity* — Report in number of units

*Value* — Report in thousands of dollars

**c. Columnar structure of report**

When posting your figures to the report, please be sure to report information in the correct columns.

These are:

*Column 1* — Quantity of shipments

*Column 2* — Value of shipments

**d. Not included in this survey**

Contractors' off-highway wheel tractors (2- and 4-wheel) are excluded from this survey. These units are primarily designed to be used for towing all types of scrapers, trailers, wagons, and similar types of towed equipment for use on natural terrain but restricted by state laws or regulations from operating on public highways when attached to towed unit under loaded conditions.

**3. Definitions**

**WHEEL TRACTORS** (*Except contractors' off-highway type, garden tractors, and motor tillers.*) Include in this section all wheel tractors except contractors' off-highway type, garden tractors, and motor tillers. Horsepower data for farm tractors should be based on power take off (PTO) while the other categories of wheel tractors are based on net engine horsepower (NEHP).

**TURF TRACTORS** — A self-propelled riding vehicle, typified by a low center of gravity, equipped with wide turf-tread tires.

**GARDEN TRACTORS** — Weighing less than 1,200 pounds (basic machine) typically powered by air cooled engines with fewer than 4 cylinders and total piston displacement of under 45 cubic inches. Such tractors are further distinguished from farm tractors in that they usually carry an engine horsepower rating but not a (PTO) horsepower rating.

**LAWN TRACTORS AND RIDING MOWERS** — A self-propelled riding vehicle, generally designed for cutting grass, which is not capable of pulling a plow.

**NET ENGINE HORSEPOWER (NEHP)** — Net flywheel performance as measured by manufacturer, with all standard accessories installed, operated and corrected to 29.38 inches mercury (Hg) and temperature of 85 degrees Fahrenheit.

**PARTS** — Manufactured components essential to the completeness and proper operation of a machine, vehicle, or apparatus. Examples of parts are (1) a wheel for a cultivator, (2) a plowshare, (3) a gear. Report only parts sold for replacement and repairs.

**ATTACHMENTS** — Supplementary devices designed to be attached to vehicle or apparatus that either (1) vary or extend the function of the unit, or (2) add to the convenience or effectiveness of the basic unit. Examples of attachments are (1) a root cutter fastened to a plow, (2) a drilling device applied to a checkrow corn planter.

**ABBREVIATIONS AND METRIC CONVERSIONS**

hp = horsepower = .7457 kilowatts (kW)

PTO = Power take off type

NEHP = Net engine horsepower

gal = gallon = 3.7854 liters (L)

kgs = kilograms = 2.20462 pounds (lbs)

inch = 2.54 centimeters (cm)

l.p.m. = liter per minute

g.p.m. = gallons per minute

b.t.u. = British thermal unit

c.f.m. = cubic feet per minute

## DEFINITIONS AND SPECIAL INSTRUCTIONS — Continued

### 4. Comparability

Data reported in this survey should correspond to data reported in the Economic Census - Manufacturing Sector form. The sum of values for item codes shown in column (a) should correspond to dollar values reported under product codes indicated in column (b) below:

| Current Industrial Reports<br>(Form MA333A)                                                                                                 | Economic Census -<br>Manufacturing Sector       |
|---------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| Item codes<br>(a)                                                                                                                           | Product codes<br>(b)                            |
| 6101 through 6187                                                                                                                           | 3331111 100                                     |
| 6204 through 6216<br>6219 through 6265<br>6270 through 6275                                                                                 | 3331113 100<br>3339227 100 pt                   |
| 6321 through 6384                                                                                                                           | 3331117 100                                     |
| 6511 through 6583                                                                                                                           | 3331119 100                                     |
| 6613 through 6683                                                                                                                           | 333111A 100                                     |
| 6441 through 6463<br>6715 through 6731<br>6770 through 6795                                                                                 | 333111E 100                                     |
| 6811 through 6824<br>6831 through 6845<br>6851 through 6857<br>6860 and 6861<br>6870 through 6875<br>6880 through 6887<br>6891 through 6895 | 333111G 100<br>3322123 100 pt<br>3323239 100 pt |
| 8101 through 8118<br>8123 through 8143                                                                                                      | 333111J 100                                     |
| 8202 through 8265                                                                                                                           | 3331121 100<br>3322127 100 pt                   |
| 8270 through 8285                                                                                                                           | 3331123 100                                     |
| 8267 and 8268<br>8311 through 8335                                                                                                          | 3331127 100                                     |
| 6199, 6218, 6269, 6289,<br>6389, 6469, 6589, 6689,<br>6739, 6798, 6829, 6849,<br>6859, 6869, 6879, 6890,<br>6899                            | 333111C 100<br>3339227 100 pt                   |

# REFERENCE LIST

| FORM <b>MA333A</b> <b>FARM MACHINERY AND LAWN AND GARDEN EQUIPMENT (SHIPMENTS)</b>                                                                               |                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product code                                                                                                                                                     | Item code                                                                                                                                                                  | Item description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 3331111101<br>3331111106<br><br>3331111111<br><br>3331111100<br><br>333111C116                                                                                   | <b>6101</b><br><b>6130</b><br><br><b>6187</b><br><br><b>6198</b><br><br><b>6199</b>                                                                                        | <b>WHEEL TRACTORS (Except contractors' off-highway wheel tractors, nonfarm (industrial type) garden tractors, turf tractors, and motor tillers)</b><br><br>Wheel tractors, farm type (power take off hp)<br>2-wheel drive (include front wheel assist types)<br>4-wheel drive (report tractors with equal size tires, front and rear)<br><br>Attachments for wheel tractors, farm type (exclude attachments for tractor chassis shipped as part of front engine design tractor shovel loader/backhoes (NEHP))<br><br><b>Total wheel tractors and attachments (Sum of item codes 6101–6187)</b><br><br>Parts for wheel tractors, farm type (exclude parts for tractor chassis shipped as part of front engine design tractor shovel loader/backhoes) |
| 3331113101<br><br>3331113104<br><br>3331113106<br><br>3331113108<br><br><b>XXX</b><br><br>333111C221                                                             | <b>6204</b><br><br><b>6208</b><br><br><b>6213</b><br><br><b>6216</b><br><br><b>6217</b><br><br><b>6218</b>                                                                 | <b>FARM DAIRY MACHINES AND EQUIPMENT</b><br><br>Mechanical installations<br><br>Milking machines, complete; suspended and floor type bucket, single and double units<br><br>Pipeline milking units, complete (include claws, shells, inflations, air tubes, with or without pulsator)<br><br>Other farm dairy machines and equipment<br><br>Attachments for farm dairy machines and equipment — <i>Value only</i><br><br><b>Total, farm dairy machines and equipment (Sum of item codes 6204–6216) — Value only</b><br><br>Parts for farm dairy machines and equipment — <i>Value only</i>                                                                                                                                                          |
| 3331113116<br>3331113121<br><br>3331113124<br>3331113128<br><br>3331113132<br><br>3331113136<br>3331113141<br><br>3331113144<br><br>3331113148<br><br>3331113152 | <b>6219</b><br><b>6230</b><br><br><b>6240</b><br><b>6245</b><br><br><b>6246</b><br><br><b>6247</b><br><b>6249</b><br><br><b>6250</b><br><br><b>6251</b><br><br><b>6258</b> | <b>SPRAYERS AND DUSTERS (except aerial types)</b><br><br>Power sprayers, field and row crop types only<br>Self-propelled<br>Tractor mounted<br><br>Other than tractor mounted<br>PTO driven, piston pump type<br>Nonpiston pump type<br><br>Other power sprayers, over 4 g.p.m.<br><br>Power sprayers, other than row crop and field types (over 4 g.p.m.) 15.2 l.p.m.<br>PTO driven<br>Engine driven<br><br>Air carried type power sprayers (field, row crop, and orchard types)<br><br>Foggers and mist sprayers, portable<br><br>Hand pulled and garden type 4 g.p.m. and under                                                                                                                                                                  |

**REFERENCE LIST — Continued**

| FORM <b>MA333A</b> |             |                                                                                                                     |
|--------------------|-------------|---------------------------------------------------------------------------------------------------------------------|
| Product code       | Item code   | Item description                                                                                                    |
|                    |             | <b>SPRAYERS AND DUSTERS (except aerial types) — Continued</b><br>Sprayers, agricultural hand                        |
| 3331113156         | <b>6259</b> | Under 1 gallon                                                                                                      |
| 3331113161         | <b>6261</b> | 1 gallon and over                                                                                                   |
| 3331113164         | <b>6262</b> | Compressed air or gas                                                                                               |
|                    |             | Other, including, knapsack, hose end and flame sprayers and sprayer pumps                                           |
| 3331113168         | <b>6263</b> | Dusters, power, hand, all types                                                                                     |
| 3331113172         | <b>6264</b> | All other sprayers — <i>Value only</i>                                                                              |
| 3331113176         | <b>6265</b> | Attachments for sprayers and dusters — <i>Value only</i>                                                            |
| <b>XXX</b>         | <b>6268</b> | <b>Total, sprayers and dusters (sum of item codes 6219–6265) — Value only</b>                                       |
| 333111C223         | <b>6269</b> | Parts for sprayers and dusters — <i>Value only</i>                                                                  |
|                    |             | <b>FARM ELEVATORS AND BLOWERS</b>                                                                                   |
| 3339227253         | <b>6270</b> | Farm elevators, conveyors, and stackers                                                                             |
| 3339227255         | <b>6272</b> | Single and double chain                                                                                             |
|                    |             | Auger type                                                                                                          |
| 3339227257         | <b>6273</b> | Other farm elevators, conveyors, and stackers (except as specified under item code 6851)                            |
| 3331113192         | <b>6274</b> | Farm blowers, including forage blowers, combination grain and forage blowers                                        |
| 3331113194         | <b>6282</b> | Attachments for farm blowers — <i>Value only</i>                                                                    |
| <b>XXX</b>         | <b>6284</b> | <b>Total, farm elevators and blowers (sum of item codes 6270–6282) — Value only</b>                                 |
| 333111C225         | <b>6286</b> | Parts for farm blowers — <i>Value only</i>                                                                          |
|                    |             | <b>PLANTING, SEEDING, FERTILIZING MACHINERY</b>                                                                     |
| 3331117101         | <b>6321</b> | Corn planters, corn and cotton planters, and lister planters – pull type and mounted, total rows – mounted          |
| 3331117108         | <b>6324</b> | Grain drills (fixed frame) all types                                                                                |
| 3331117111         | <b>6340</b> | Transplanters (pull type or mounted) and broadcast seeders (end-gate, mounted and drawn)                            |
|                    |             | Fertilizer distributors (pull type or mounted) (exclude fertilizer attachments; lawn and garden hand types)         |
| 3331117118         | <b>6350</b> | Dry (including lime spreaders)                                                                                      |
| 3331117121         | <b>6357</b> | Liquid and anhydrous ammonia                                                                                        |
| 3331117128         | <b>6361</b> | Manure spreaders, rear discharge                                                                                    |
| 3331117131         | <b>6365</b> | Manure spreaders, side discharge                                                                                    |
| 3331117138         | <b>6369</b> | Manure pumps, liquid                                                                                                |
| 3331117141         | <b>6373</b> | Front and rear tractor mounted loaders (farm type), manure and general utility (except beet and sugar cane loaders) |

# REFERENCE LIST — Continued

| FORM <b>MA333A</b> |             |                                                                                                                                                                                                              |
|--------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product code       | Item code   | Item description                                                                                                                                                                                             |
|                    |             | <b>PLANTING, SEEDING, FERTILIZING MACHINERY — Continued</b>                                                                                                                                                  |
| 3331117148         | <b>6377</b> | Row crop unit planters (number of rows)                                                                                                                                                                      |
| 3331117151         | <b>6379</b> | Other planting, seeding, and fertilizing machinery (except machinery specified above)                                                                                                                        |
| 3331117158         | <b>6384</b> | Attachments; exclude planting attachments for lister, but include fertilizer attachments for plain drills, disc furrowing, grass waterway and check row plant and grass seed attachments — <i>Value only</i> |
| <b>XXX</b>         | <b>6385</b> | <b>Total, planting, seeding, fertilizing machinery (sum of item codes 6321–6384) — Value only</b>                                                                                                            |
| 333111C229         | <b>6389</b> | Parts for planting, seeding, fertilizing machinery — <i>Value only</i>                                                                                                                                       |
|                    |             | <b>SECONDARY TILLAGE EQUIPMENT — HARROWS, ROLLERS, PULVERIZERS AND SIMILAR EQUIPMENT</b>                                                                                                                     |
| 333111E141         | <b>6441</b> | Spike-tooth harrow sections and spring-tooth and tine-tooth harrow sections                                                                                                                                  |
| 333111E149         | <b>6444</b> | Disc harrows, single, tandem, and offset                                                                                                                                                                     |
| 333111E151         | <b>6453</b> | Combination tillage equipment, roller/harrows, disc or coulter/field cultivators, disc or coulter/spring tooth                                                                                               |
| 333111E158         | <b>6454</b> | Blade terracers or scrapers (farm size)                                                                                                                                                                      |
| 333111E161         | <b>6459</b> | Land levelers                                                                                                                                                                                                |
| 333111E169         | <b>6461</b> | Other harrows, rollers, pulverizers, and similar equipment (except products specified above)                                                                                                                 |
| 333111E171         | <b>6463</b> | Attachments (examples: folding extension, furrow fillers, drawbars, adapter hitches, gauge wheels, and drawbar attachments) — <i>Value only</i>                                                              |
| <b>XXX</b>         | <b>6465</b> | <b>Total harrows, rollers, pulverizers, and similar equipment (Sum of item codes 6441–6463) — Value only</b>                                                                                                 |
| 333111C22G         | <b>6469</b> | Parts for harrows, rollers, pulverizers, and similar equipment — <i>Value only</i>                                                                                                                           |
|                    |             | <b>HARVESTING MACHINERY</b>                                                                                                                                                                                  |
| 3331119101         | <b>6511</b> | Combines (harvester-threshers), grain types only (self-propelled and pull type)                                                                                                                              |
| 3331119111         | <b>6521</b> | Small grain header for combines, all sizes                                                                                                                                                                   |
| 3331119121         | <b>6531</b> | Corn heads, all sizes                                                                                                                                                                                        |
| 3331119131         | <b>6541</b> | Other grain type combines                                                                                                                                                                                    |
| 3331119141         | <b>6563</b> | Field forage harvesters<br>Shear bar, self-propelled type and pull type<br>(basic machines)                                                                                                                  |
| 3331119151         | <b>6567</b> | Attachments for shear bar type forage harvesters                                                                                                                                                             |

**REFERENCE LIST — Continued**

| FORM <b>MA333A</b>       |                            |                                                                                                                                                                                          |
|--------------------------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product code             | Item code                  | Item description                                                                                                                                                                         |
|                          |                            | <b>HARVESTING MACHINERY — Continued</b>                                                                                                                                                  |
| 3331119161               | <b>6570</b>                | Flail type (horizontal knives or vertical freeswinging knives or hammers) including discharge spouts                                                                                     |
| 3331119171               | <b>6577</b>                | Other harvesting machinery, including cane harvesting equipment, potato diggers and picker-shellers                                                                                      |
| 3331119181               | <b>6583</b>                | Attachments for harvesting machinery (examples: platform and seeder, reel, straw spreaders, load levelers, weed stripper, grate unit, knife grinders, stalk walkers) — <i>Value only</i> |
| <b>XXX</b><br>333111C22A | <b>6585</b><br><b>6589</b> | <b>Total, harvesting machinery (sum of item codes 6511–6583) — Value only</b><br>Parts for harvesting machinery — <i>Value only</i>                                                      |
|                          |                            | <b>HAYING MACHINERY</b>                                                                                                                                                                  |
| 333111A101               | <b>6613</b>                | Mowers, cutter-bar type (Report mower-conditioners under code 6623 all types) (including drum and disk)                                                                                  |
| 333111A111               | <b>6623</b>                | Mower-conditioners and windrowers with conditioner auger and draper type (pull type and self-propelled)                                                                                  |
| 333111A121               | <b>6631</b>                | Rakes, side delivery, cylinder type, finger wheel type, rotary, tedder and combination rotary/tedder type                                                                                |
| 333111A131               | <b>6656</b>                | Hay balers, field type, and bale throwing attachments                                                                                                                                    |
| 333111A141               | <b>6682</b>                | Other haying machinery (except as specified above)                                                                                                                                       |
| 333111A151               | <b>6683</b>                | Other attachments for haying machinery (example: stripper, bale chute, and knife attachments) (exclude attachments specified above)                                                      |
| <b>XXX</b><br>333111C22C | <b>6685</b><br><b>6689</b> | <b>Total, haying machinery (sum of item codes 6613–6683) — Value only</b><br>Parts for haying machinery — <i>Value only</i>                                                              |
|                          |                            | <b>PRIMARY TILLAGE EQUIPMENT — PLOWS</b>                                                                                                                                                 |
| 333111E101               | <b>6715</b>                | Sub-soilers (deep tillage), wide shank                                                                                                                                                   |
| 333111E109               | <b>6717</b>                | Terracing and ditching plows                                                                                                                                                             |
| 333111E111               | <b>6719</b>                | Chisel plows, deep tillage (chisel or sweep type)                                                                                                                                        |
| 333111E119               | <b>6721</b>                | Pull type<br>Mounted                                                                                                                                                                     |
| 333111E121               | <b>6725</b>                | Other plows, except snow plows and plows specified above                                                                                                                                 |
| 333111E159               | <b>6727</b>                | Middlebusters and disc bedders (excluding planting attachments)                                                                                                                          |
| 333111E131               | <b>6729</b>                | Attachments for plows (coulters, jointers, root cutters, sub-soilers, fertilizer distributors, etc.) (exclude lister planting attachments) — <i>Value only</i>                           |
| 333111E139               | <b>6731</b>                | Plowshares (pounds of plowshares)                                                                                                                                                        |
| <b>XXX</b><br>333111C22E | <b>6735</b><br><b>6739</b> | <b>Total, primary tillage equipment (sum of item codes 6715–6731) — Value only</b><br>Parts for plows except plowshares — <i>Value only</i>                                              |

**REFERENCE LIST — Continued**

| FORM <b>MA333A</b> |             |                                                                                                                              |
|--------------------|-------------|------------------------------------------------------------------------------------------------------------------------------|
| Product code       | Item code   | Item description                                                                                                             |
|                    |             | <b>CULTIVATORS AND WEEDERS SECONDARY TILLAGE</b>                                                                             |
| 333111E179         | <b>6770</b> | Corn- and cotton-type cultivators (shank and sweep types, front and rear mounted)                                            |
| 333111E181         | <b>6780</b> | Rotary cultivators, ground and power driven                                                                                  |
| 333111E189         | <b>6790</b> | Field cultivators                                                                                                            |
| 333111E191         | <b>6794</b> | Other cultivators and weeders, including tool bars (basic units)                                                             |
| 333111E199         | <b>6795</b> | Attachments for cultivators and weeders (front mounting frame, disc weeders, rear section, and drawbars) — <i>Value only</i> |
| <b>XXX</b>         | <b>6796</b> | <b>Total, cultivators and weeders (Sum of item codes 6770–6795) — Value only</b>                                             |
| 333111C22J         | <b>6798</b> | Parts for cultivators and weeders — <i>Value only</i>                                                                        |
|                    |             | <b>MACHINES FOR PREPARING CROPS FOR MARKET OR FOR USE</b>                                                                    |
| 333111G112         | <b>6811</b> | Feed grinders and crushers, power                                                                                            |
| 333111G114         | <b>6813</b> | Feed mixers (farm size), stationary and portable                                                                             |
| 333111G116         | <b>6814</b> | Combination grinder-mixers                                                                                                   |
| 333111G117         | <b>6815</b> | Cotton ginning machinery                                                                                                     |
|                    |             | Driers (grain, hay, and seed)                                                                                                |
| 333111G118         | <b>6817</b> | Heated air crop driers                                                                                                       |
| 333111G122         | <b>6819</b> | Crop drying fans only (over 15,000 c.f.m. at approximately one inch pressure)                                                |
| 333111G124         | <b>6823</b> | Other machines for preparing crops for market or for use (except those specified above)                                      |
| 333111G126         | <b>6824</b> | Attachments — <i>Value only</i>                                                                                              |
| <b>XXX</b>         | <b>6825</b> | <b>Total, machines for preparing crops (sum of item codes 6811–6824) — Value only</b>                                        |
| 333111C22N         | <b>6829</b> | Parts for machines preparing crops — <i>Value only</i>                                                                       |
|                    |             | <b>FARM POULTRY EQUIPMENT</b>                                                                                                |
| 333111G128         | <b>6831</b> | Incubators (report total egg capacity of all incubators shipped)                                                             |
| 333111G132         | <b>6834</b> | Brooders, floor and hanging, gas, electric, oil, coal, wood and battery                                                      |
| 333111G134         | <b>6836</b> | Nests and cages                                                                                                              |
| 333111G136         | <b>6838</b> | Poultry feeders (trough, hanging, and mechanical) and waterers (except turkey feeders and waterers),                         |
| 333111G138         | <b>6844</b> | Other farm poultry equipment, including turkey waterers, mechanized egg graders, egg washers                                 |
| 333111G142         | <b>6845</b> | Attachments for farm poultry equipment — <i>Value only</i>                                                                   |
| <b>XXX</b>         | <b>6846</b> | <b>Total, farm poultry equipment (Sum of item codes 6831–6845) — Value only</b>                                              |
| 333111C22P         | <b>6849</b> | Parts for farm poultry equipment — <i>Value only</i>                                                                         |

# REFERENCE LIST — Continued

| FORM <b>MA333A</b> |             |                                                                                                                                                                |
|--------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product code       | Item code   | Item description                                                                                                                                               |
|                    |             | <b>OTHER BARN AND BARNYARD EQUIPMENT</b>                                                                                                                       |
| 333111G156         | <b>6851</b> | Silo and grain bin unloaders, forage and grain including sealed storage unloaders (farm type)<br>Cattle and dairy barn equipment                               |
| 333111G158         | <b>6852</b> | Feeding equipment                                                                                                                                              |
| 333111G162         | <b>6853</b> | Handling equipment                                                                                                                                             |
| 333111G164         | <b>6855</b> | Water equipment                                                                                                                                                |
| 333111G166         | <b>6856</b> | Other barn and barnyard equipment. (Do not include construction items such as partitions, doors, windows, pillars, etc.) (Excludes equipment specified above.) |
| 333111G168         | <b>6857</b> | Attachments — <i>Value only</i>                                                                                                                                |
| <b>XXX</b>         | <b>6858</b> | <b>Total, barn and barnyard equipment (Sum of item codes 6851–6857) — Value only</b>                                                                           |
| 333111C22U         | <b>6859</b> | Parts for other barnyard equipment — <i>Value only</i>                                                                                                         |
|                    |             | <b>IRRIGATION SYSTEMS</b>                                                                                                                                      |
|                    |             | Self-propelled irrigation systems                                                                                                                              |
| 333111G188         | <b>6860</b> | Center-pivot (report quantity in equivalent systems)                                                                                                           |
| 333111G192         | <b>6861</b> | All other systems using 100 feet flexible hose feeder line and over                                                                                            |
| <b>XXX</b>         | <b>6865</b> | <b>Total, Self-propelled Irrigation Systems (Sum of item codes 6860 and 6861) — Value only</b>                                                                 |
| 333111C22V         | <b>6869</b> | Parts for self-propelled irrigation systems (sold separately)                                                                                                  |
|                    |             | <b>HOG EQUIPMENT</b>                                                                                                                                           |
| 333111G144         | <b>6870</b> | Feeding equipment                                                                                                                                              |
| 333111G146         | <b>6871</b> | Handling equipment                                                                                                                                             |
| 333111G148         | <b>6872</b> | Watering equipment                                                                                                                                             |
| 333111G152         | <b>6874</b> | Other hog equipment (except equipment specified above)                                                                                                         |
| 333111G154         | <b>6875</b> | Attachments for hog equipment — <i>Value only</i>                                                                                                              |
| <b>XXX</b>         | <b>6878</b> | <b>Total, hog equipment (sum of item codes 6870–6875) — Value only</b>                                                                                         |
| 333111C22T         | <b>6879</b> | Parts for hog equipment — <i>Value only</i>                                                                                                                    |
|                    |             | <b>FARM WAGONS AND OTHER FARM TRANSPORTATION EQUIPMENT</b>                                                                                                     |
| 333111G172         | <b>6880</b> | Wagons (chassis only) and trailer gears (exclude motor trucks) 4 wheel<br>Boxes and racks for mounting on wagons, and trailer gears                            |
| 333111G174         | <b>6881</b> | Manual unloading or dump                                                                                                                                       |
| 333111G176         | <b>6882</b> | Gravity unloading (grain type only)                                                                                                                            |
| 333111G178         | <b>6883</b> | Power unloading                                                                                                                                                |
| 333111G182         | <b>6884</b> | Boxes with integral running gear, grain and forage types                                                                                                       |



**REFERENCE LIST — Continued**

| FORM <b>MA333A</b>                                                                |             |                                                                                                                              |
|-----------------------------------------------------------------------------------|-------------|------------------------------------------------------------------------------------------------------------------------------|
| Product code                                                                      | Item code   | Item description                                                                                                             |
| <b>FARM WAGONS AND OTHER FARM TRANSPORTATION EQUIPMENT — Continued</b>            |             |                                                                                                                              |
| 333111G184                                                                        | <b>6885</b> | Other farm transportation equipment (except equipment specified above)                                                       |
| 333111G186                                                                        | <b>6887</b> | Attachments (example, inclined conveyor) — <i>Value only</i>                                                                 |
| <b>XXX</b>                                                                        | <b>6888</b> | <b>Total, farm wagons, and other farm transportation equipment (Sum of item codes 6880–6887) — Value only</b>                |
| 333111C232                                                                        | <b>6890</b> | Parts for farm wagons and other farm transportation equipment, including operator cabs for farm tractors — <i>Value only</i> |
| <b>STALK SHREDDERS AND CUTTERS OR ROTARY MOWERS (PTO)</b>                         |             |                                                                                                                              |
| 333111G102                                                                        | <b>6891</b> | Flail type (without spout)                                                                                                   |
|                                                                                   |             | Horizontal-blade type                                                                                                        |
| 333111G104                                                                        | <b>6893</b> | 66 inches cutting width and under                                                                                            |
| 333111G106                                                                        | <b>6894</b> | Over 66 inches and up to 100 inches cutting width                                                                            |
| 333111G108                                                                        | <b>6895</b> | Over 100 inches cutting width                                                                                                |
| <b>XXX</b>                                                                        | <b>6898</b> | <b>Total, stalk-shredders and cutters or rotary mowers (pto) (Sum of item codes 6891–6895) — Value only</b>                  |
| 333111C22L                                                                        | <b>6899</b> | Parts for stalk shredders, and cutters or rotary mowers (PTO) — <i>Value only</i>                                            |
| <b>COMMERCIAL TURF AND GROUNDS MOWING EQUIPMENT</b>                               |             |                                                                                                                              |
| 333111J101                                                                        | <b>8101</b> | Powered nonriding mowers                                                                                                     |
| 333111J106                                                                        | <b>8103</b> | Riding reel-type turf mowers (including greens mowers)                                                                       |
| 333111J111                                                                        | <b>8107</b> | Riding rotary turf mowers                                                                                                    |
| 333111J116                                                                        | <b>8109</b> | Gang rotary cutting units, reel and rotary (individual sections)                                                             |
| 333111J121                                                                        | <b>8111</b> | Flail mower cutting units, including gang                                                                                    |
| 333111J126                                                                        | <b>8113</b> | Other mowing equipment                                                                                                       |
| 333111J131                                                                        | <b>8117</b> | Parts for commercial turf and grounds mowing equipment — <i>Value only</i>                                                   |
| 333111J136                                                                        | <b>8118</b> | Attachments for commercial turf and grounds mowing equipment — <i>Value only</i>                                             |
| <b>XXX</b>                                                                        | <b>8119</b> | <b>Total, commercial turf and grounds mowing equipment (Sum of item codes 8101–8118) — Value only</b>                        |
| <b>OTHER COMMERCIAL TURF AND GROUNDS CARE EQUIPMENT (except mowing equipment)</b> |             |                                                                                                                              |
| 333111J141                                                                        | <b>8123</b> | Sod cutters and sod harvesters                                                                                               |
| 333111J146                                                                        | <b>8125</b> | Seeders, spreaders, and top dresser attachments                                                                              |
| 333111J151                                                                        | <b>8127</b> | Aerators, spikers, and pluggers                                                                                              |
| 333111J156                                                                        | <b>8129</b> | Dethatchers                                                                                                                  |
| 333111J161                                                                        | <b>8131</b> | Power brooms, blowers, vacuums, and sweepers                                                                                 |
| 333111J166                                                                        | <b>8133</b> | Irrigation systems (except agricultural and residential)                                                                     |
| 333111J171                                                                        | <b>8136</b> | Other commercial turf and grounds care equipment (including trap rakes, transport trailers and turf tractors and trucks)     |
| 333111J176                                                                        | <b>8141</b> | Parts for other commercial turf and ground care equipment (except mowing equipment) — <i>Value only</i>                      |

**REFERENCE LIST — Continued**

| FORM <b>MA333A</b> |             |                                                                                                                                        |
|--------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Product code       | Item code   | Item description                                                                                                                       |
|                    |             | <b>OTHER COMMERCIAL TURF AND GROUNDS CARE EQUIPMENT (except mowing equipment — Continued)</b>                                          |
| 333111J181         | <b>8143</b> | Attachments for other commercial turf and ground care equipment (except mowing equipment) — <i>Value only</i>                          |
| <b>XXX</b>         | <b>8145</b> | <b>Total, other commercial turf and grounds care equipment (except mowing equipment) (Sum of item codes 8123–8143) — Value only</b>    |
|                    |             | <b>CONSUMER NONRIDING LAWN AND GARDEN, AND SNOW EQUIPMENT</b>                                                                          |
|                    |             | Lawnmowers                                                                                                                             |
| 3331121104         | <b>8202</b> | Push type: reel (powered and nonpowered) and rotary — gas powered                                                                      |
| 3331121106         | <b>8212</b> | Rotary: self-propelled, gas powered                                                                                                    |
| 3331121121         | <b>8215</b> | Electric, all types, including battery powered                                                                                         |
| 3331121126         | <b>8220</b> | Rotary garden (motor) tillers                                                                                                          |
| 3331121131         | <b>8230</b> | 2-wheel tractors, walking type (except rotary tillers)                                                                                 |
|                    |             | Snow throwers (snow blower) (except attachment type)                                                                                   |
| 3331121136         | <b>8241</b> | Single stage                                                                                                                           |
| 3331121141         | <b>8242</b> | Dual stage                                                                                                                             |
|                    |             | Powered lawn edgers/trimmers                                                                                                           |
| 3331121146         | <b>8250</b> | Fixed blade                                                                                                                            |
| 3331121151         | <b>8252</b> | Other than fixed blades                                                                                                                |
| 3331121156         | <b>8261</b> | Shredders and shredder-grinders                                                                                                        |
| 3331121161         | <b>8263</b> | Yard vacuums and blowers                                                                                                               |
| 3331121166         | <b>8265</b> | Other consumer nonriding lawn, garden, and snow equipment                                                                              |
| <b>XXX</b>         | <b>8266</b> | <b>Total, consumer nonriding lawn, garden, and snow equipment (Sum of item codes 8202–8265) — Value only</b>                           |
|                    |             | <b>PARTS AND ATTACHMENTS FOR CONSUMER NONRIDING LAWN, GARDEN, AND SNOW EQUIPMENT</b>                                                   |
| 3331127101         | <b>8267</b> | Parts                                                                                                                                  |
| 3331127111         | <b>8268</b> | Attachments                                                                                                                            |
| <b>XXX</b>         | <b>8269</b> | <b>Total, parts and attachments for consumer nonriding lawn, garden, and snow equipment (Sum of item codes 8267–8268) — Value only</b> |
|                    |             | <b>CONSUMER RIDING LAWN, GARDEN, AND SNOW EQUIPMENT</b>                                                                                |
|                    |             | Lawn tractors and riding mowers                                                                                                        |
|                    |             | Front engine                                                                                                                           |
| 3331123101         | <b>8270</b> | Under 10.0 hp (under 7.5 kW)                                                                                                           |
| 3331123111         | <b>8271</b> | 10.0 hp and over (7.5 kW and over)                                                                                                     |
|                    |             | Rear engine                                                                                                                            |
| 3331123121         | <b>8272</b> | Under 10.0 hp (under 7.5 kW)                                                                                                           |
| 3331123131         | <b>8275</b> | 10.0 hp and over (7.5 kW and over)                                                                                                     |

# REFERENCE LIST — Continued

FORM **MA333A**

| Product code | Item code   | Item description                                                                                                                              |
|--------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
|              |             | <b>CONSUMER RIDING LAWN, GARDEN, AND SNOW EQUIPMENT — Continued</b><br>Lawn tractors and riding mowers — Continued                            |
|              |             | Garden tractors                                                                                                                               |
| 3331123141   | <b>8280</b> | Under 16.0 hp (under 12 kW)                                                                                                                   |
| 3331123151   | <b>8283</b> | 16.0 hp to 19.9 hp (12 kW–14.9 kW)                                                                                                            |
| 3331123161   | <b>8284</b> | 20.0 hp and over (15.0 kW and over)                                                                                                           |
| 3331123171   | <b>8285</b> | Other consumer riding lawn, garden, and snow equipment                                                                                        |
| <b>XXX</b>   | <b>8289</b> | <b>Total, consumer riding lawn, garden, and snow equipment</b><br><b>(Sum of item codes 8270–8285) — Value only</b>                           |
|              |             | <b>PARTS AND ATTACHMENTS FOR CONSUMER RIDING LAWN, GARDEN AND SNOW EQUIPMENT</b>                                                              |
|              |             | Parts                                                                                                                                         |
| 3331127121   | <b>8311</b> | For tractors and riding mowers                                                                                                                |
| 3331127131   | <b>8313</b> | For other equipment (except tractors and riding mowers)                                                                                       |
|              |             | Attachments                                                                                                                                   |
| 3331127141   | <b>8325</b> | Rotary, mower decks — <i>Value only</i>                                                                                                       |
| 3331127151   | <b>8327</b> | Rotary tiller attachments — <i>Value only</i>                                                                                                 |
| 3331127161   | <b>8329</b> | Blades, dozer — <i>Value only</i>                                                                                                             |
| 3331127171   | <b>8331</b> | Snow throwers — <i>Value only</i>                                                                                                             |
| 3331127181   | <b>8333</b> | Carts and wagons — <i>Value only</i>                                                                                                          |
| 3331127191   | <b>8335</b> | All other attachments — <i>Value only</i>                                                                                                     |
| <b>XXX</b>   | <b>8339</b> | <b>Total, parts and attachments for consumer riding lawn, garden, and snow equipment</b><br><b>(Sum of item codes 8311–8335) — Value only</b> |

## NOTES: